System@tic / NEOPPOD Discloses First Open Source Transactional NoSQL Object Database for the Cloud

Press Release

Paris, Tokyo, Dakar. March 29th, 2010. NEOPPOD project disclosed today an alpha release of the first Open Source transactional object database designed for the Cloud. Based on Zope technology and innovative network algorithms created by Nexedi SA, NEOPPOD provides distributed, redundant and transactional storage designed for petabytes of persistent objects. Thanks to the joint efforts of engineers at Nexedi and Pilot Systems, and to the researchers of Paris 6 University, Paris 13 University and MINES ParisTech, the NEOPPOD project is now moving towards proven and reliable industrial applications, ranging from ERP5 Global Banking, Plone Enterprise Content Management, scalable e-governement and large content archives.

For Yoshinori Okuji, President of Nexedi KK and creator of the NEO network protocol, "NEO is a key component for future developments of Zope database technology on the Cloud. Nexedi is proud to donate 4 years of continuous research to the community and will support NEO in the context of the fast growing ERP5 market requirements".

David Sapiro, CEO of Pilot Systems, adds: "NEO will help Zope and Plone extend to the Cloud. Pilot Systems started validating NEO for Plone applications and plans to use it for its SaaS infrastructure in 2010. Thanks to NEO, early adopters of NoSQL (Not Only SQL) technologies like us are happy to see that the market is moving toward more agile and scalable data architectures".

NEOPPOD project is a collaborative effort of privately owned companies and public research laboratories, all member of the Open Source workgroup of the System@tic innovation cluster.

Laure Petrucci, Professor at Paris 13 University and scientific leader of the NEOPPOD project says "NEO protocol is typical of a challenging distributed algorithm which requires formal verification in order to prove its reliability. Initial formal specification and verification of NEO using Petri nets shows consistent behaviour and promising results."

Emmanuel Paviot-Adet, researcher at Pierre & Marie Curie University (Paris 6), says "The CPN-AMI Petri net modeling and verification tool suite has been used to prove by model checking the consistency of the NEO configuration protocol. Our team is now studying the data replication parts of the protocol."

Laurent Daverio, researcher at the MINES ParisTech, says "NEO will be useful in the future to build huge document storages and provides a true alternative to proprietary solutions on the Cloud. We are conducting experiments on large text legal corpus".

Tidiane Seck, professor at Dakar University, insists that "Open Source Cloud Computing is the way for e-government. We are preparing to test and port Senegal VAT declaration sofwtare to NEO in the next 12 months in order to cope with accelerated data growth".

NEOPPOD project is sponsored by the Paris Region and the European Union, with an R&D budget of Two Million Euros.

Jean-Baptiste Roger, Political advisor in charge of I.T. at Paris Region Council, concludes "NEOPPOD project is a typical example of how fast decision making in public sponsoring of scientific R&D can bring SMEs and public research laboratories together for the benefit of the Open Source community. The System@tic innovation cluster was a key to this rapid success".

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www.neoppod.org/news-neoppod-official-release

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About NEOPPOD

NEOPPOD is a collaborative R&D project funded by Paris Region and European Union FEDER fund, and supported by the System@tic competitive cluster. The goal of the NEOPPOD project is to demonstrate the consistency of the NEO peer to peer network protocol, designed for large transactional databases. NEOPPOD is lead by Nexedi for the industrial aspects and by LIPN for scientific aspects. NEOPPOD contributors include LIP6, Pilot Systems, MINES ParisTech and UCAD.

NEO is the name of the distributed protocol created by Nexedi in 2005 and the name the Open Source transactional storage software.

About Nexedi

Nexedi is the leader of the ERP5 Open Source ERP project and a provider of Open Source solutions fo mission critical applications. With offices in Europe, Asia, Africa and America, Nexedi can provide 24/7 services to the most demanding customers in the field of aerospace, banking, government and transport. With more than 100 modules, 4 IEEE research papers and 7500 clients, ERP5 is the most advanced Open Source ERP on the market. Nexedi is member of System@tic innovation cluster, FFII, TIO Libre Initiative and AFUL.

www.nexedi.com

About Pilot Systems

Pilot Systems is a French consulting company providing integration, customization, and support services on Open Source and free software, while offering hosting and training as well. Its competences span a wide range of Open Source softwares and technologies, with

a focus on Python, Zope and Plone.

Pilot Systems contributes to the Open Source community by releasing its code on several Plone products, writing documentations in french, sponsoring Open Source events and providing free hosting for Zope, Plone, Silva and Zwook with objectis.org.

David Sapiro, Pilot Systems founder, is also IBM Open Source GuideShare Group chairman. Most of the Pilot Systems staff is also member of the Plone Foundation.

www.pilotsystems.net

About LIPN

The Computer Science lab of the Paris-Nord University (L.I.P.N.) is associated to the CNRS (UMR 7030). The LIPN researches deal with automatisation around the strong axes of Combinatorics, Combinatorial Optimization, Fundamental Computer Science and Artificial Intelligence. These works are especially based on competences in Algorithmics, Logic, Natural Language, and Machine Learning. The Lab is structured into five teams whose research themes show numerous meeting points: A3, CALIN, LCR, OCAD, and RCLN.

www-lipn.univ-paris13.fr

About LIP6

LIP6 is a research laboratory in computer science of University Pierre & Marie Curie and CNRS (UMR 7606). With 183 permanent researchers and 260 PhD students, it is a major research laboratories in France. The laboratory covers a broad spectrum of activities grouped in 5 departments : Scientific Computing, Decision making, Databases and machine learning, Networks and Distributed Systems, Systems On Chips.

www.lip6.fr

About MINES ParisTech

Mines ParisTech was created in 1783 by King Louis XVI in order to train intelligent directors of mines. It is one of the most prominent French engineering schools, a generalist school, one of the Grandes écoles and a prestigious member of ParisTech (Paris Institute of Technology). Despite its small size (fewer than 120 students accepted each year), it is a crucial part of the infrastructure of French industry.

www.ensmp.fr

About Cheikh Anta Diop University (UCAD)

Founded in 1957, Cheikh Anta Diop University of Dakar (UCAD) hosts 6 departments and over 20 schools and institutes. With an enrollment of over 60,000, UCAD is ranked 1st

French Speaking University in Africa by Shanghai Academic Ranking of World Universities. UCAD hosts a number of foreign study abroad programs, including ones administered by Wells College and the University of Oregon in the United Sates, and numerous European universities.

www.ucad.sn

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